BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of work: Estimate for Consruction of Rain Water Harvesting (Main Tank) at Singapura Samudaya Bhavana and Navodaya School Surroundings, Singapura Govt School and Varadarajanagara Govt School in Ward No. 11, Vidyaranyapura Sub Division.

			Estimate Cost Rs.					1000000.00	
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.2 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, **in Hard soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, **Page No. 5 / Item No. 2.3/ PWD SR 2014-15**	Cum							
	Recharging Pit near Borewells		22	3.142x1.30x1.30		3.00	87.61		
				4					
							87.61	264.60	**23183.00**
	Basic Rate	245.00							
	Area Weightage @ 8%	19.60							
	Total	**264.60**							
2	KSRRB M2900-2.1: Laying reinforced cement concrete pipe NP4 / prestressed concrete pipe for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets complete as per specifications, **A.1000 mm dia, No. 244 / Item No. 34.3 PWD SR 2014-15**	M							
			22	3.00			66.00		
							66.00	12090.60	**797980.00**
	Basic Rate	11195.00							
	Area Weightage @ 8%	895.60							
	Total	**12090.60**							
3	KSRB 2.8 : Providing and filling in foundation with granite / trap broken metal 100mm, and down size, with approved sand including had packing, ramming, watering, including cost of all materials and labour with all lead and lift, complete as per specifications. Specification. No. KBS, **Page No. 6 / Item No. 2.15 / PWD SR 2014-15**	Cum							
			22	3.142x1.0x1.0		0.60	10.37		
				4					
							10.37	1962.36	**20347.00**
	Basic Rate	1817.00							
	Area Weightage @ 8%	145.36							
	Total	**1962.36**							
4	0734 - Supply and Providing Aggregate 53 mm nominal size PWD SR 2014-15 (P.I / I. 29)	Cum							
	Inside the Ring		22	3.142x1.0x1.0		0.60	10.37		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
				4					
	Outside the Ring		22	3.142x1.0x3.00		0.55	114.05		
							124.42	720.00	**89585.00**
5	0750 - Supply and Providing Aggregate 40 mm and below PWD SR 2014-15 (P.II / I. 30)	Cum							
			22	3.142x1.0x1.0		0.60	**10.37**	800.00	**8295.00**
				4					
6	0749 - Supply and Providing Aggregate 20 mm and below PWD SR 2014-15 (P. II / I. 33)	Cum							
			22	3.142x1.0x1.0		0.60	**10.37**	1000.00	**10369.00**
				4					
7	0731 - Supply and Providing Sand PWD SR 2014-15 (P.II / I. 56)	Cum							
			22	3.142x1.0x1.0		0.60	**10.37**	1450.00	**15034.00**
				4					
8	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, **No. 13/ Item No. 4.11/ PWD SR 2014-15**	Cum							
			22	3.142x1.0x1.0		0.10	1.73		
				4					
							1.73	6065.28	**10481.00**
	Basic Rate	5616.00							
	Area Weightage @ 8%	449.28							
	Total	**6065.28**							
9	KSRB 4.9.1: **Providing mild steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 **Page No. 17 / Item No. 4.45 / PWD SR 2014-15**	Qtl							
	60 Kg / Cum		0.60	1.73			**1.04**	7975.80	**8270.00**
	Basic Rate	7385.00							
	Area Weightage @ 8%	590.80							
	Total	**7975.80**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
10	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km	Cum							
			22	3.142x1.3x1.3		3.00	87.61		
				4					
							87.61	73.57	**6446.00**
	Average weight of earth 1.28 tonne / kg for 2x1.28x2.00=5.12	5.12							
	Add loading and unloading charges Vide item no.17.1 P.no.130	63.00							
		68.12							
	Area Weightage @ 8%	5.45							
	Total	**73.57**							
11	Total						981944.27		**989990.00**
12	Third Party Inspection Charges 1%						9819.4		**9900.00**
13	Miscesallaneous Charges						8286.33		**110.00**
								Total	**1000000.00**

(Rupees Ten Lakhs Only)

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2014-15.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

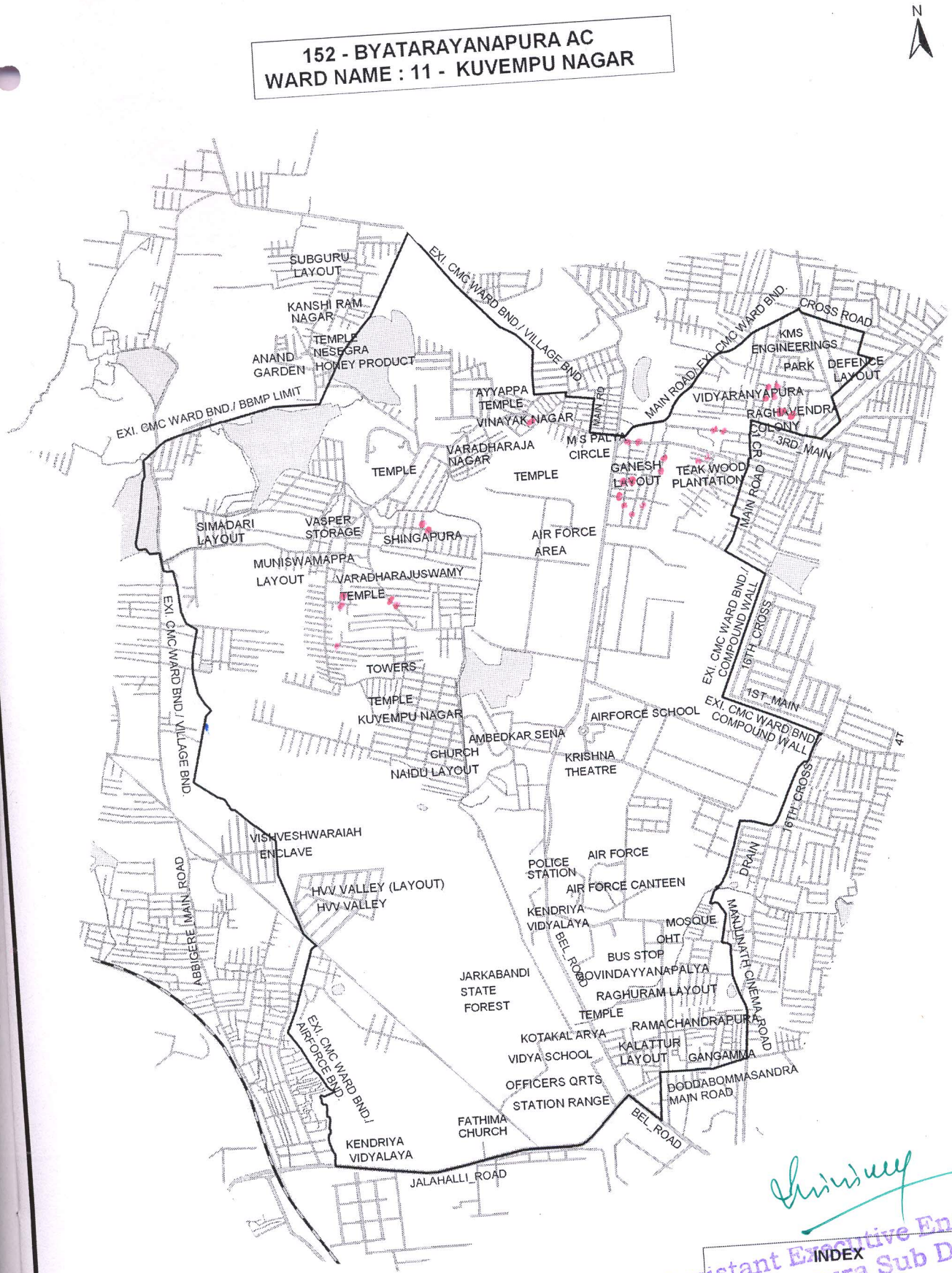
Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranayapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

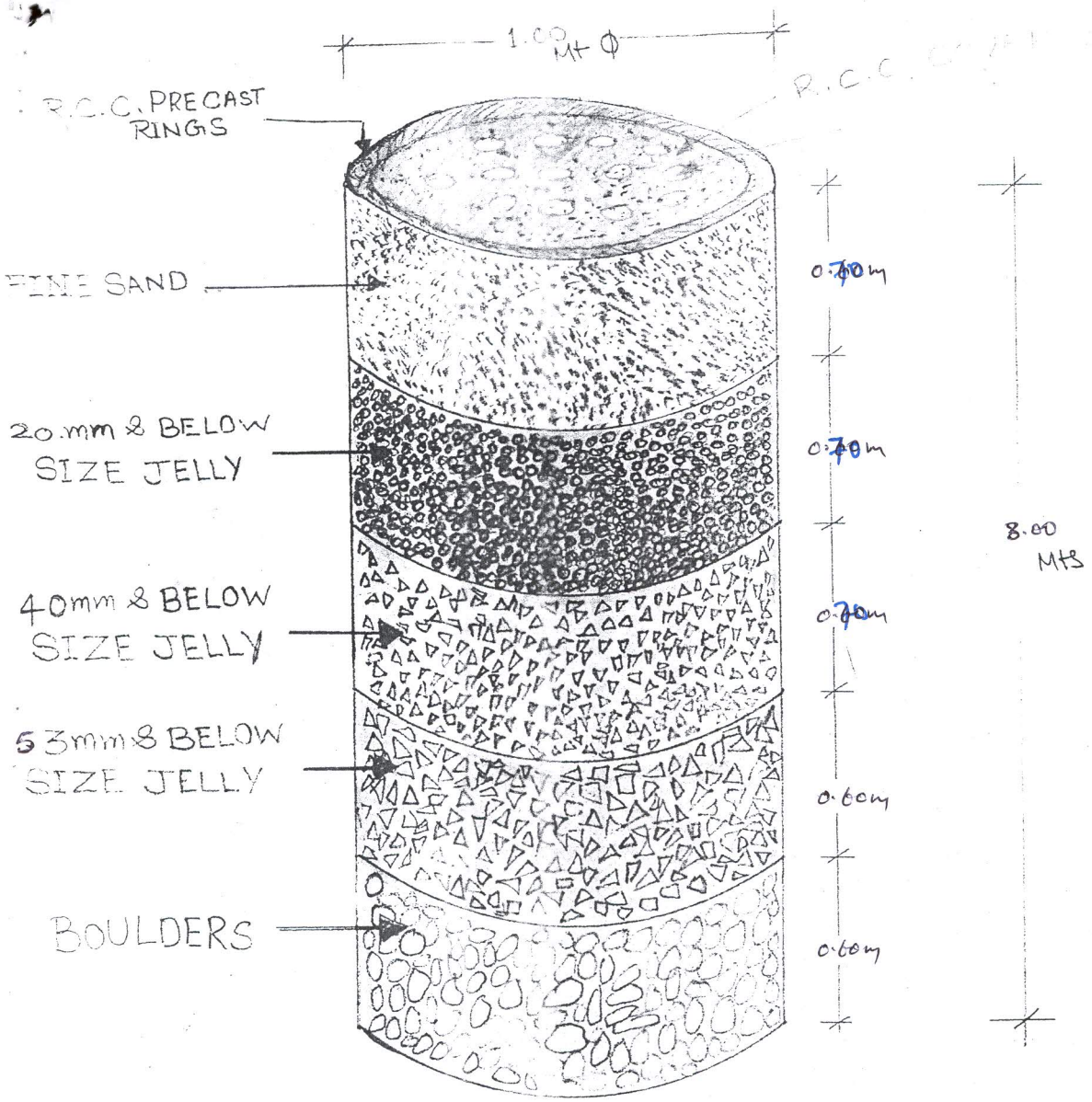
Administrative approval for Rs. 10.00L.
Ten lakhs only
P-0541
No: 155 11/02/15
AE/JE 11/02
EE (BTP. Div.)

Technical Sanction for Rs. 10.00L.
Ten lakhs only
61
No: EE/TS/361/14-15 361 11/02/15
AE/JE 11/02

152 - BYATARAYANAPURA AC
WARD NAME : 11 - KUVEMPU NAGAR



Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97



CROSS SECTION OF RAIN WATER RECHARGING PITS

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯುದ್ದೀಪ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬೃ. ಬೆಂ. ಮ. ಪಾ., ಬೆಂಗಳೂರು-97.